

*** NOTICES ***

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1]It is a lineblock diagram of the virtual surround device in the embodiment of the invention 1.

[Drawing 2]It is an explanatory view (the 1) showing the principle of operation of a virtual surround device.

[Drawing 3]It is an explanatory view (the 2) showing the principle of operation of a virtual surround device.

[Drawing 4]It is a functional block diagram of an acoustic image control section used for a virtual surround device.

[Drawing 5]It is a lineblock diagram of the virtual surround device in the embodiment of the invention 2.

[Drawing 6]It is a lineblock diagram of the virtual surround device in the embodiment of the invention 3.

[Drawing 7]It is a wave form chart showing the principle of operation of the listener position detector in Embodiment 3.

[Drawing 8]It is a lineblock diagram of the virtual surround device in the embodiment of the invention 4.

[Drawing 9]It is an explanatory view showing the principle of operation of the listener position detector in Embodiment 4.

[Description of Notations]

101 Acoustic image control section

102 Forward left loudspeaker

103 Forward right loudspeaker

104 Listener

105 Virtual back left speaker

106 Virtual back right speaker
107 Listener position detector
108 HRTF-coefficient-data base
501 HRTF coefficient calculation part
600,800 Transmitter-receiver
601-604 Microphone
605 Receive section
606 Position detection signal generating part
801 - 806 photosensor
807,808 Lightwave signal generating part
809 Primary detecting element

[Translation done.]